

CLAIMS

1. A roller (1) for transferring labels of the suction type, comprising a lateral surface (21) having a plurality of openings (2) communicating with respective suction conduits (3) to maintain a label adhering to said lateral surface (21), characterised in that at least one of the suction conduits (3) is provided with at least an additional opening (5) located in a position that cannot be obstructed by the label adhering to the lateral surface (21) of the roller (1), to maintain said conduit (3) in constant communication with the external environment.
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2. Transfer roller as claimed in claim 1, characterised in that said additional opening (5) is positioned in an upper area (41) of the roller at a suction conduit (3).
3. Transfer roller as claimed in claim 1, characterised in that said additional opening (5) is positioned in a lower area (51) of the roller (1) at a suction conduit (3).
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4. Transfer roller as claimed in claim 1, characterised in that said additional opening (5) is positioned on the lateral surface (21) of the roller (1) in an area not involved by the presence of the label at a suction conduit (3).
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5. Transfer roller as claimed in claim 1, characterised in that said additional opening (5) is positioned posteriorly to the lateral surface (21) of the roller (1) at a suction conduit (3).
6. Transfer roller as claimed in claim 1, characterised in that said additional opening (5) is provided with at least a filter to prevent the
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entrance of dirt into a suction conduit (3).

7. Transfer roller as claimed in claim 1, characterised in that each suction conduit (3) is substantially parallel to an axis of rotation of the roller (1).

5 8. Transfer roller as claimed in claim 1, characterised in that it comprises at least a pair of shoes (4) projecting relative to the lateral surface (21) of the roller (1) and provided with a plurality of openings (22) communicating with respective suction conduits to maintain end portions of a label adhering to an external surface (4a) 10 of the shoes (4).

9. Transfer roller as claimed in claim 1, characterised in that the suction conduits (3) are inserted within an aspirating plant comprising an aspirating pump to impose a predetermined vacuum within the conduits (3) themselves.

15 10. Transfer roller as claimed in claim 9, characterised in that the aspiration plant comprises at least a maximum value adjuster valve.

11. A roller (1) for transferring labels of the suction type, comprising a lateral surface (21) having a plurality of openings (2) communicating with respective suction conduits (3) to maintain a 20 label adhering to said lateral surface (21), characterised in that each suction conduit (3) is provided with at least an additional opening (5) located in a position that cannot be obstructed by the label adhering to the lateral surface (21) of the roller (1), to maintain each conduit (3) in constant communication with the external environment.

25 12. A labelling machine, characterised in that it comprises a

transfer roller (1) as claimed in any of the previous claims.